

Commonwealth of Kentucky
Division for Air Quality
PERMIT STATEMENT OF BASIS

STATE ORIGIN PERMIT NO. S-01-015
GEMTRON CORPORATION
FORMER Alliance Laundry Systems
2840 NEBO ROAD, MADISONVILLE, KY 42431
JANUARY 10, 2001

FROUGH SHERWANI, REVIEWER
PLANT I.D. # 21-107-00147
APPLICATION LOG # 53395

SOURCE DESCRIPTION:

Gemtron Corporation assembles refrigeration unit windows and coat metal parts for commercial and household appliances. The Gemtron Corporation has purchased Alliance Laundry systems located at 2840 Nebo Road, Madisonville KY 42431. The Alliance Laundry Systems operation was shut down in July 1999.

Emission Point 1: **E-Coat Operation:**

MP1:

This emission point is an **E-Coat Metal Treatment**. Zinc Phosphate is used for coating purpose. The consumption of the Zinc Phosphate is 0.235 gallons/hr.

MP2:

This emission point is a **Clean up**. The spray gun cleaner and Xylene is used as a cleanup solvent. The consumption of the solvent is 0.06 gallons/hr and consumption of the Xylene is 0.021 gallons/hr.

MP3:

This emission point is an **E-Coat Application**. The coating is applied in 8.5 :1 coat to resin ratio.

MP4:

This emission point is an **E-Coat Bake Oven**. The Natural gas is used as fuel and Propane is used as backup fuel. The rated capacity of the oven is 2.0 MMBtu per hour.

Emission Point 2: **Powder Coating Operation**

MP1:

This emission point is a **Powder Metal Treatment**. Zinc Phosphate is used for coating purpose. The consumption of the Zinc Phosphate is 0.271 gallons/hr.

MP 2:

This emission point is **Powder Coating**. The consumption of the Coating is 245 lbs/hr. Transfer of the coating to product is assumed 95%. This point has a dual air filter system. The efficiency of the filter is 99.98%.

MP3:

This emission point is a **Powder Coating Dryoff Oven**. The Natural gas is used as fuel and Propane is used as backup fuel. The rated capacity of the oven is 2.5 MMBtu per hour.

MP4:

This emission point is **Powder Coating Curing Oven**. The Natural gas is used as fuel and Propane is used as backup fuel. The rated capacity of the oven is 3.5 MMBtu per hour.

Emission Points 3:

This emission point is a **Space Heater**. The Natural gas is used as fuel, Propane is used as backup fuel. The rated capacity of the Heater is 3.84 MMBtu per hour.

Emission Point 4

This emission point is an **Air Make Up Units**. The Natural gas is used as fuel, Propane is used as backup fuel. The rated capacity of the make up unit is 10.0 MMBtu per hour.

Emission Point 5:

This emission point is **Glass Door Unit Assemble**. The consumption of the Sealant is 0.093 245 lbs/hr.

This is an insignificant activity.

Emission Point 6:

This emission point is a **Process Boiler**. The Natural gas is used as fuel and Propane is used as backup fuel. The rated capacity of the Boiler is 2.5 MMBtu per hour.

This is an insignificant activity.

Emission Point 7:

This emission point is a **Plastic Molding Press**. There are three presses at this location. The consumption of plastic is 96.45 lbs./hr. 0.12 gallons/hr of Ethyl Acetate is used at this location.

This is an insignificant activity.

Emission factors and their source:

The emissions factor used for all the emission points are taken from the AP 42 fifth edition.

Applicable regulation:

State Regulation **401 KAR 59:010**, New process operations, apply to these emissions points because these are process operations that were commenced after July 2, 1975.

Regulation **40 CFR Part 60 Subpart SS**, Standard of Performance for Industrial Surface Coating: Large Appliance, applied to this facility

CREDIBLE EVIDENCE:

This permit contains provisions which require that specific test methods, monitoring or recordkeeping be used as a demonstration of compliance with permit limits. On February 24, 1997, the U.S. EPA promulgated revisions to the following federal regulations: 40 CFR Part 51, Sec. 51.212; 40 CFR Part 52, Sec. 52.12; 40 CFR Part 52, Sec. 52.30; 40 CFR Part 60, Sec. 60.11 and 40 CFR Part 61, Sec. 61.12, that allow the use of credible evidence to establish compliance with applicable requirements. At the issuance of this permit, Kentucky has not incorporated these provisions in its air quality regulations.